

Innovative Research and Development

The Gradual Growth of R&D and Patents

In 2009, patent applications filed by Park enterprises totaled 1,516 with 836 approved. From 2003 to the end of 2009, the accumulated number of patent applications reached 11,462 with 7,388 approved. Each year, the average number of patent applications at the STSP is more than 1,000 and it has continuously grown.

Innovative Discoveries

To encourage the R&D and innovation of the Park enterprises, the STSP Administration, since 2001, has sponsored the Subsidies for Encouraging Innovation and R&D and in 2009, 11 applications were granted for the amount of NT\$30 million. By the end of 2009, a total of 72 projects were granted (31% governmental input) with an amount of NT\$199 million. From 2007 to 2009, six papers were published, 37 patents were awarded, 32 master and PhD holders were cultivated, and a production value of NT\$1.03 billion was generated.

Talent Cultivation

Talent Cultivation Enhancement and Industrial Connection

Talent Cultivation Subsidy Project

To connect talent cultivation on campus and in industries, three major Science Parks co-executed a project to improve the professional knowledge and techniques of senior and junior students in colleges and universities.

For the project carried out in School Year 2008 (till the end of July 2009), 13 schools and 20 course modules were subsidized and 1,805 students received training; in School Year 2009 (starting from August 2009) 12 schools and 18 course modules were subsidized with a budget of NT\$10 million.

Professional and Technical Talent Training

To enhance the professional techniques of Park employees, training courses including IC, optoelectronics, precision machinery, telecommunications, biotechnology, technological management were offered. In 2009, 57 classes for a total of 687 hours as well as six seminars were provided with the total number of trainees reaching 2,920. The STSP Administration paid three fourths of the training costs for a total of NT\$5.5 million.

2009 Subsidies for Encouraging Innovation and R&D

Type of Industry	Number of Application	Amount (million)	Percentage
Biotechnology	4	9.30	31%
Optoelectronics	2	7.20	24%
Precision Machinery	3	7.65	26%
Telecommunications	2	5.85	19%
Subtotal	11	30.00	100%



2009 Professional and Technical Talent Training Project (February 12, 2009)



Seminar on Phase II Planning and Execution of Strengthening and Improving Program (January 15, 2009)



"Work Philosophy of Self-Confidence: Creative Thinking in the Modern Job Field" Delivered by the CEO of Cite Media Holding Group, Mr. Ho Feipeng (in the Middle) (May 20, 2009)



"Competition and Global Position of the Telecommunication Industry" Delivered by the President of Chunghwa Telecom, Mr. Lu Hsuehjing (in the Middle) (September 2, 2009)



Telecommunications Technical Talent Training at Kaohsiung Science Park

To enhance the professional technologies and competitiveness of Park employees in the telecommunications industry, the STSP Administration offered seven classes in telecommunications technology totaling 42 hours at Kaohsiung Science Park. Approximately 203 trainees participated.

Promotion of the Strengthening and Improving Program

To respond to the impact of the global financial crisis on the operation of Park enterprises at the Science Parks in Taiwan and to avoid a brain drain of core technology engineering technicians from the high-tech enterprises at Science Parks, the National Science Council joined the research resources of universities and the research institutions as well as enterprises to encourage continuous investment on R&D to strengthen R&D capacity and advance industrial technology through the "Strengthening and Improving Program at the Science Parks." In Phase 1, 11 research projects were granted for the amount of NT\$48.8 million with 217 researchers and the cultivation for 41 future high-tech talents while in Phase 2, 14 projects were subsidized for the amount of NT\$71.24 million for the benefit of 251 researchers and 47 future high-tech talents.

Reports on Seminars and Activities

Benchmarking Enterprise Leaders Seminar

In 2009, four "Seminars with Leaders of Benchmark Enterprises" were organized and attracted the participation of 748 people. The first was delivered by the CEO of Cite Media Holding Group, Mr. Ho Feipeng on "Work Philosophy of Self-confidence: Creative Thinking in the Modern Job Field" and the second was delivered by Mr. Lu Hsuehjing, President of Chunghwa Telecom on "Competition and Global Position of the Telecommunications Industry." The third was a talk given by Professor Paul S.C. Hsu of Yuan Ze University on "Innovation under Changing Era: Crossing the Gap between Technology Innovation and Market Value" and the fourth was delivered by the General Manager of Yahoo! Kimo Taiwan, Charlene Hung, on "Brand Positioning and Creative Thinking." With two additional seminars on advanced technology, the total participation reached 1,006 people.



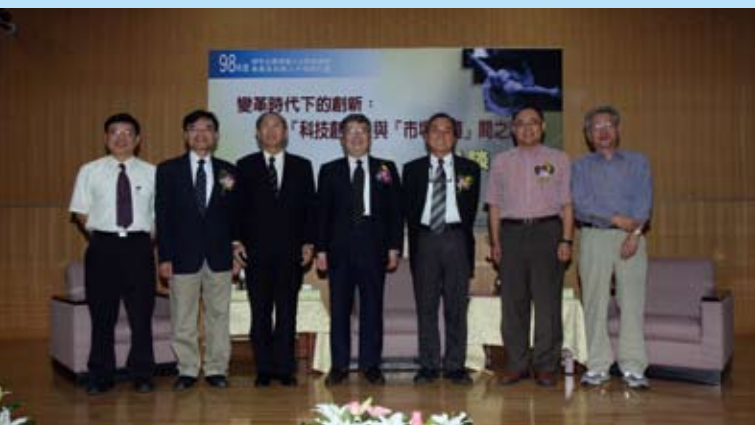
STSP Solar-powered Amphicar Family Camp (October 24, 2009)



Seminar on "Brand Positioning and Creative Thinking by the General Manager of Yahoo! Kimo Taiwan, Charlene Hung (on the Left) (November 9, 2009)

Solar-powered Amphicar Family Camp

To incorporate the promotion of green energy policies, the STSP Administration, Motech Foundation, National Kaohsiung University of Applied Sciences, and the Solar Power School Program of the Ministry of Education, the Academia-Industry Consortium for the STSP co-hosted a contest camp for students from Grades three to six of elementary schools, Grades one to two of junior high schools and their parents. In total, 350 teams competed in making model cars and energy saving and carbon reduction activities. It was through the exhibition of energy conservation products as well as presentations of science and technology films that students were encouraged to adopt an energy saving lifestyle at a young age.



Seminar on "Innovation under Changing Era: Crossing the Gap between Technology Innovation and Market Value" by Professor Paul S.C. Hus of Yuan Ze University (in the Middle) (October 12, 2009)